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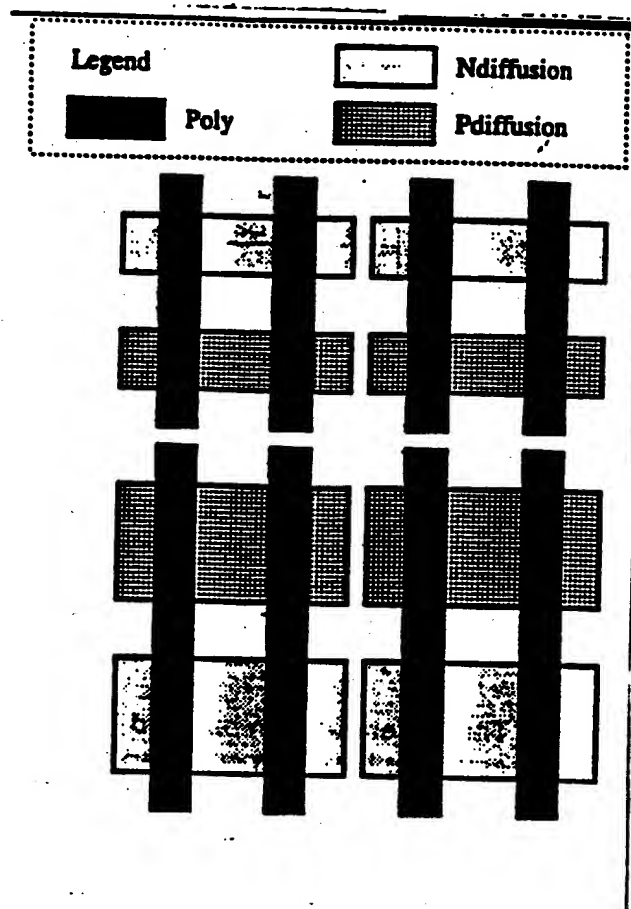





FIG. 1

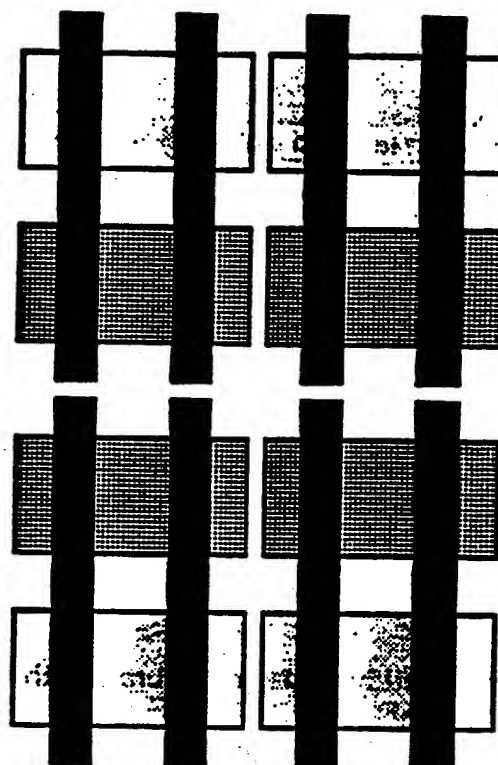
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Legend

 Ndiffusion

 Poly

 Pdiffusion



Traditional Approach

FIG. 2

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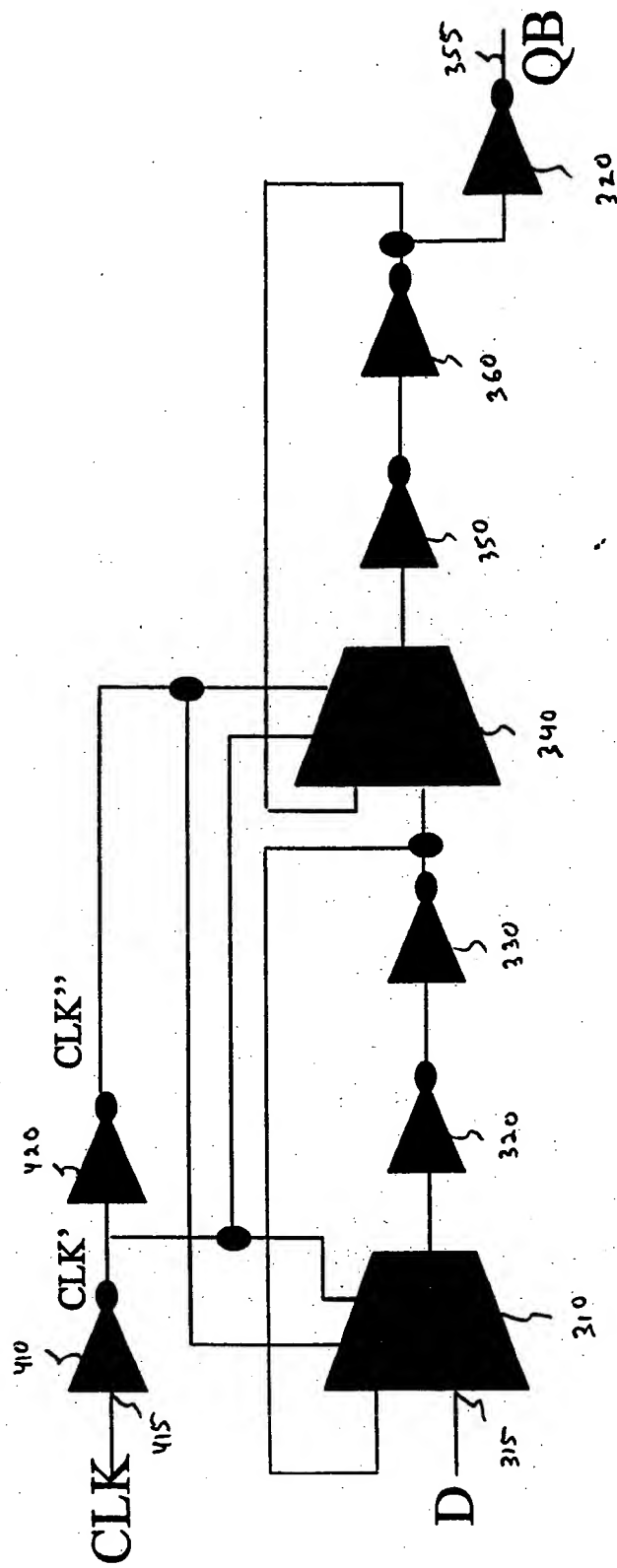


FIG. 3

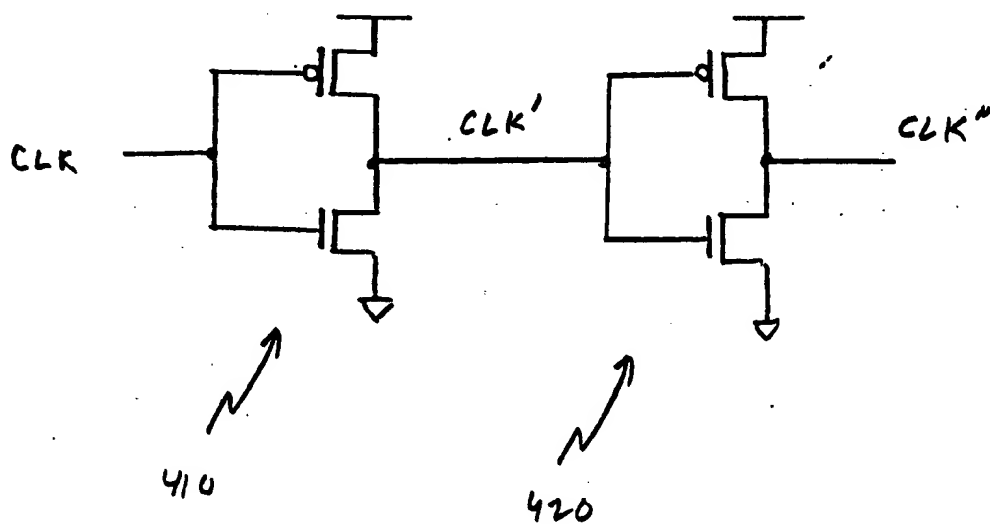


FIG. 4

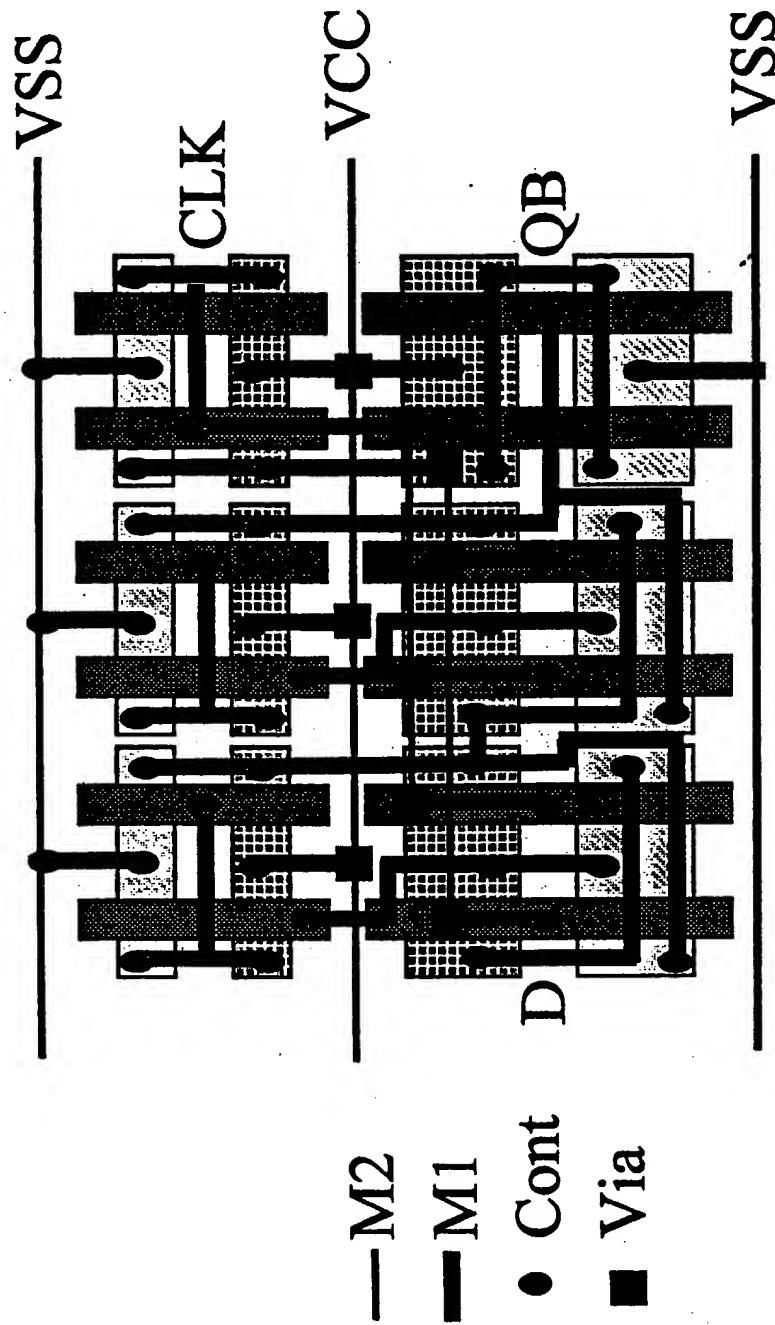


FIG. 5

Table 2

Name	Clock Pin Power	Notes
Capacitance Improved	0.06 pJ	FIG. 2
Si Arc	0.13 pJ	Si Arc CBA
Traditional	0.15 pJ	FIG. 2

pJ = pico Joules

FIG. 6

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A hand-drawn diagram consisting of a rectangular box with the letters "JC" inside. A squiggly line extends from the bottom of the box and points towards the number "710" written below it.

FIG. 7.

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